

Message Text

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TO AMEMBASSY BRASILIA
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E.O. 11652: N/A

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SUBJECT: AIRCRAFT OPERATIONS FOR THE FIRST GARP
GLOBAL EXPERIMENT (FGGE)

1. THE GLOBAL ATMOSPHERIC RESEARCH PROGRAM (GARP)
IS AN INTERNATIONAL EFFORT UNDER COGNIZANCE OF THE UNITED
NATIONS' WORLD METEOROLOGICAL ORGANIZATION (WMO) AND
INTERNATIONAL COUNCIL OF SCIENTIFIC UNIONS (ICSU). GARP
INVOLVES A SERIES OF EXPERIMENTS, BOTH REGIONAL AND
GLOBAL, TO WHICH THE GOM AND GOB HAVE MADE SIGNIFICANT
CONTRIBUTIONS. FGGE, AN EXPERIMENT DESIGNED TO PRO-
VIDE THE GLOBAL OBSERVATIONAL DATA COVERAGE NECESSARY FOR
THE STUDY OF LARGE-SCALE GLOBAL CIRCULATION AND WEA-
THER FORECASTING FOR PERIODS LONGER THAN A FEW DAYS, IS NOW
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IN PLANNING STAGES. THE NATIONAL OCEANIC AND ATMOSPHERIC
ADMINISTRATION (NOAA) OF THE DEPARTMENT OF COMMERCE IS
RESPONSIBLE FOR COORDINATING UNITED STATES' PARTICI-
PATION IN THE EXPERIMENT. OTHER U.S. PARTICIPANTS ARE
THE DEPARTMENT OF DEFENSE, NATIONAL SCIENCE FOUNDATION,
AND THE NATIONAL AERONAUTICS AND SPACE ADMINISTRATION.

2. THE GREATEST DEFICIENCY IN THE EQUATORIAL TROPICS
FROM A SCIENTIFIC STANDPOINT IS THE LACK OF UPPER-AIR

WIND DATA. TO ALLEVIATE THIS PROBLEM, SEVERAL SPECIAL OBSERVING SYSTEMS ARE PLANNED. ONE SUCH SYSTEM IS THE TROPICAL WIND OBSERVING SHIPS PROGRAM IN WHICH YOUR HOST COUNTRIES ARE PARTICIPATING. OTHERS ARE SATELLITES (BOTH POLAR AND GEOSTATIONARY), THE TROPICAL CONSTANT LEVEL BALLOON SYSTEM, A SERIES OF DRAFTING BUOYS AND AN AIRCRAFT DROPWINDSONDE SYSTEM. IT IS THE LATTER, THE AIRCRAFT DROPWINDSONDE SYSTEM, FOR WHICH HOST COUNTRY COOPERATION IS REQUIRED AS WIND FIELD MEASUREMENTS OVER THE ATLANTIC AND PACIFIC OCEANS ARE PLANNED ON FLIGHTS FROM ACAPULCO, MEXICO; HONOLULU, HAWAII; AND RECIFE, BRAZIL BY LONG-RANGE DOD RECONNAISSANCE AIRCRAFT OUTFITTED WITH DROPWINDSONDE EQUIPMENT.

3. REQUEST ADDRESSEES SEEK APPROVAL FROM GOM AND GOB FOR OPERATION OF USAF AIRCRAFT FROM THESE COUNTRIES DURING FGGE OPERATIONS. WE UNDERSTAND THERE IS NO LONGER A LIMIT ON THE NUMBER OF DOD AIRCRAFT THAT MAY BE IN MEXICO AT ANY ONE TIME. IF THIS IS NOT SO, REQUEST WAIVER FOR DOD AIRCRAFT INVOLVED IN FGGE. THE SECRETARY GENERAL OF THE WMO AT THE REQUEST OF THE WMO INTERGOVERNMENTAL PANEL FOR FGGE, GOM AND GOB ARE BOTH MEM-UNCLASSIFIED

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BERS, ASKED THAT GOVERNMENTS WAIVE FEES FOR LANDING, PARKING, APPLICABLE CUSTOMS, ETC., DURING THE PERIOD OF THE EXPERIMENT.

4. ADDITIONAL INFORMATION: (1) APPROXIMATE OPERATING PERIODS ARE SCHEDULED JANUARY 15-FEBRUARY 13, 1979, AND MAY 10-JUNE 8, 1979. (2) SOME ADMINISTRATIVE AND OPERATIONS PERSONNEL NEED TO BE IN PLACE ABOUT FIVE DAYS BEFORE AND AFTER OPERATING PERIODS. (3) THREE OR FOUR U.S. REPRESENTATIVES WILL VISIT OPERATING LOCATIONS APPROXIMATELY AUGUST 1978 FOR SITE SURVEYS. LOCAL ASSISTANCE MAY BE REQUIRED TO OBTAIN CONTRACTOR SERVICES, BILLETING, ETC. FURTHER DETAILS WILL BE PROVIDED PRIOR TO SITE SURVEY. (4) OPERATING LOCATIONS WILL BE GEN. JUAN N. ALVAREZ INTERNATIONAL, ACAPULCO AND GUARARAPES, RECIFE. (5) AIRCRAFT WILL BE C-141 AND WC-135 OPERATED BY THE USAF FROM MEXICO AND BRAZIL, RESPECTIVELY. (6) OPERATIONAL CONCEPT MEXICO - ONE ROUND ROBIN FROM ACAPULCO DAILY AND ONE SHUTTLE EVERY DAY TO OR FROM HAWAII. MINIMUM NUMBER AIRCRAFT ON STATION DAILY WILL BE ONE; MAXIMUM WILL BE THREE. BRAZIL - ONE ROUND ROBIN FLIGHT DAILY. TWO AIRCRAFT WILL BE ON STATION DAILY.

(7) PERSONNEL. AN AVERAGE OF 41 WILL BE IN EACH COUNTRY, 38 OF WHOM WILL BE USAF AIRCREW AND MAINTENANCE PERSONNEL. PERSONNEL IN MEXICO WILL VARY FROM 34 TO 49 DEPENDING ON NUMBER OF AIRCRAFT ON STATION. NUMBER OF VISITING PERSONNEL IS UNPREDICTABLE. (8) OPERATING EQUIPMENT. AIRCRAFT WILL NOT HAVE PHOTOGRAPHIC EQUIPMENT. ELECTRONIC EQUIPMENT WILL BE LIMITED TO THAT NEEDED FOR NAVIGATION, FLIGHT LEVEL METEOROLOGICAL MEASUREMENTS, AND TO OBTAIN AND RECORD DROPWINDSONDES DATA. (9) OFFICIAL REPRESENTATIVES OF HOST GOVERNMENTS MAY BE INVITED TO PARTICIPATE ON FLIGHTS ON SPACE-AVAILABLE BASIS. DATA GATHERED ON FLIGHTS WILL BE AVAILABLE TO HOST GOVERNMENTS FROM

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THE FGGE DATA ARCHIVES. VANCE

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